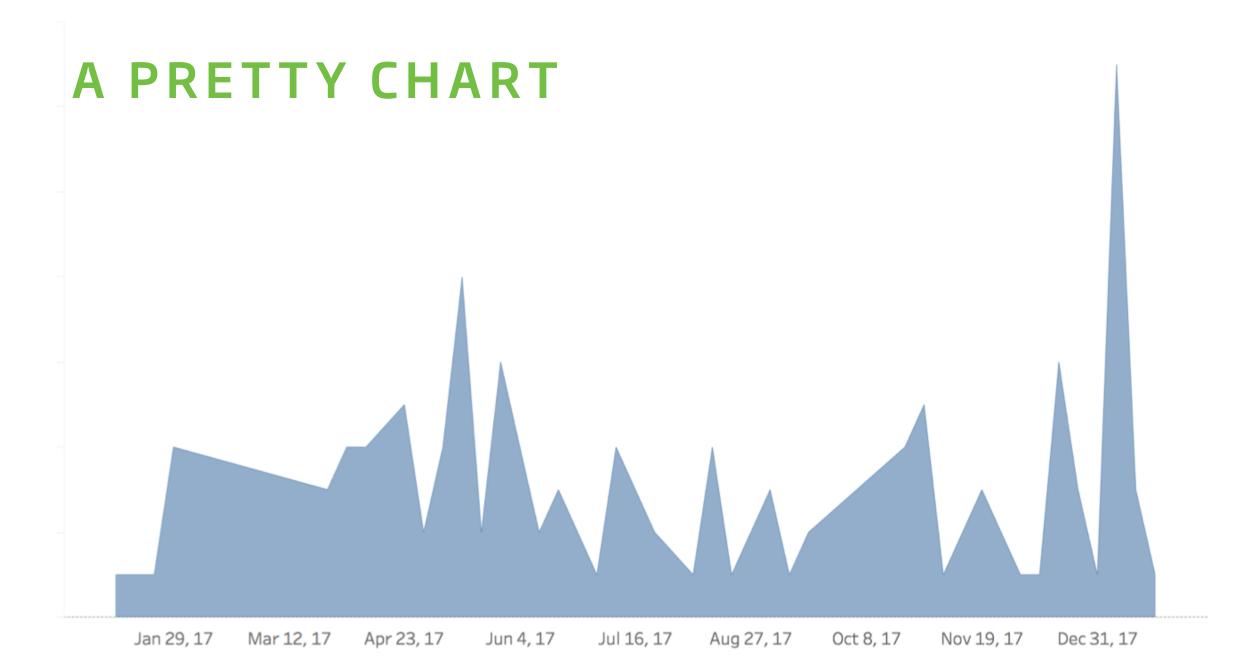


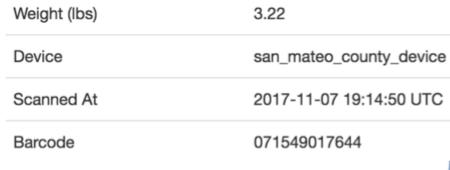
# How Instant Data Can Increase Safety and Reuse of Pesticides

Charlie Vallely, Co-Founder / CIO



# MORE THAN A PRETTY CHART: DIAZINON TRACKER











# OUR ORIGIN STORY ...

Why are we burning these products?







### CRITICAL DATA IS DISCONNECTED

Catalog

Ecommerce

Manufacturer

Chem composition

Reactivity



Hazards

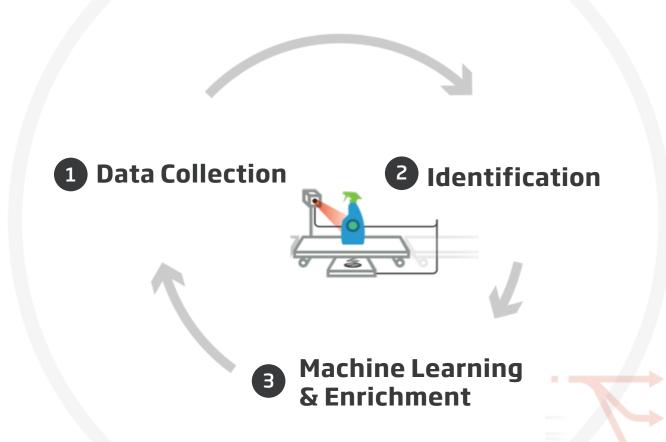
Shipping regs

California regs

State regs (49 other states)

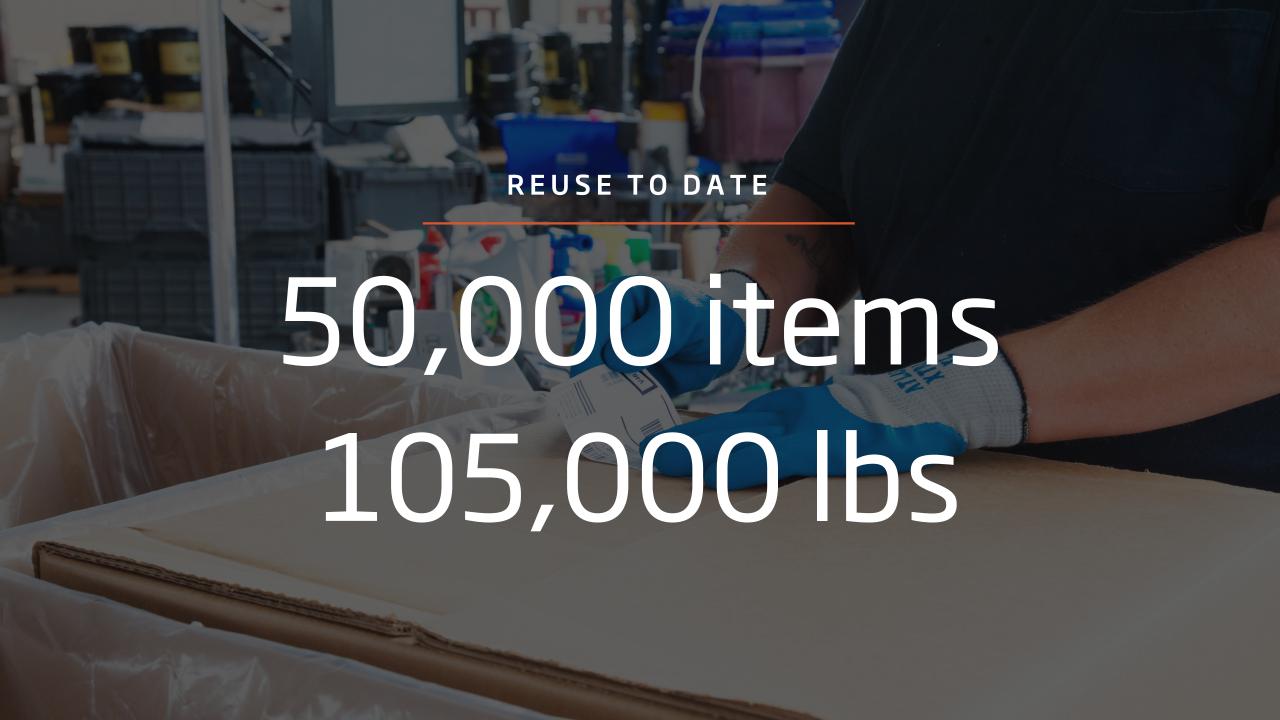
More...

### WE'RE SOLVING THE DATA DISCONNECT



- Patented tech to identify, sort and sell products into reuse.
- Safer, cheaper and greener for gov't, retail and waste companies.





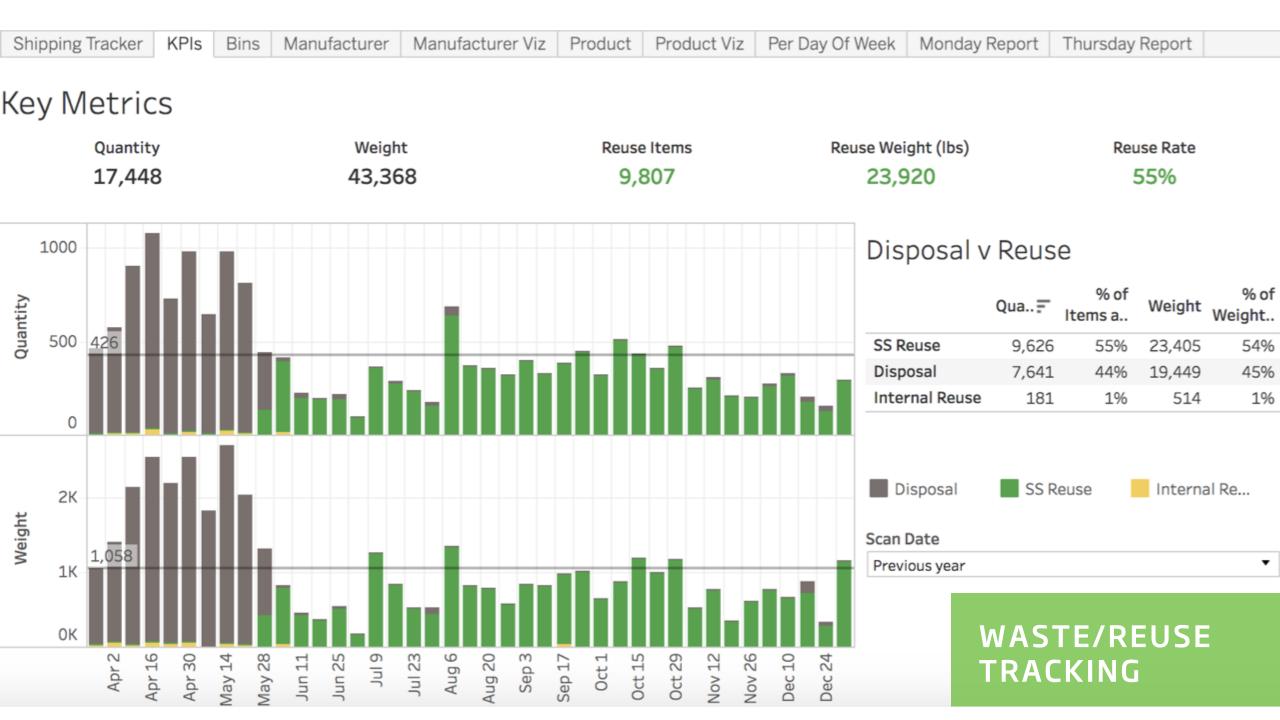
# GROWTH = MORE DATA

- Each customer expands ability to identify and categorize FIFRA regulated products and their end-oflifecycle destination
- Our goals: Safety, Compliance, Tracking, Reuse



# Let's talk about the data





# WASTE/REUSE TRACKING

## CTC Shipping Tracker

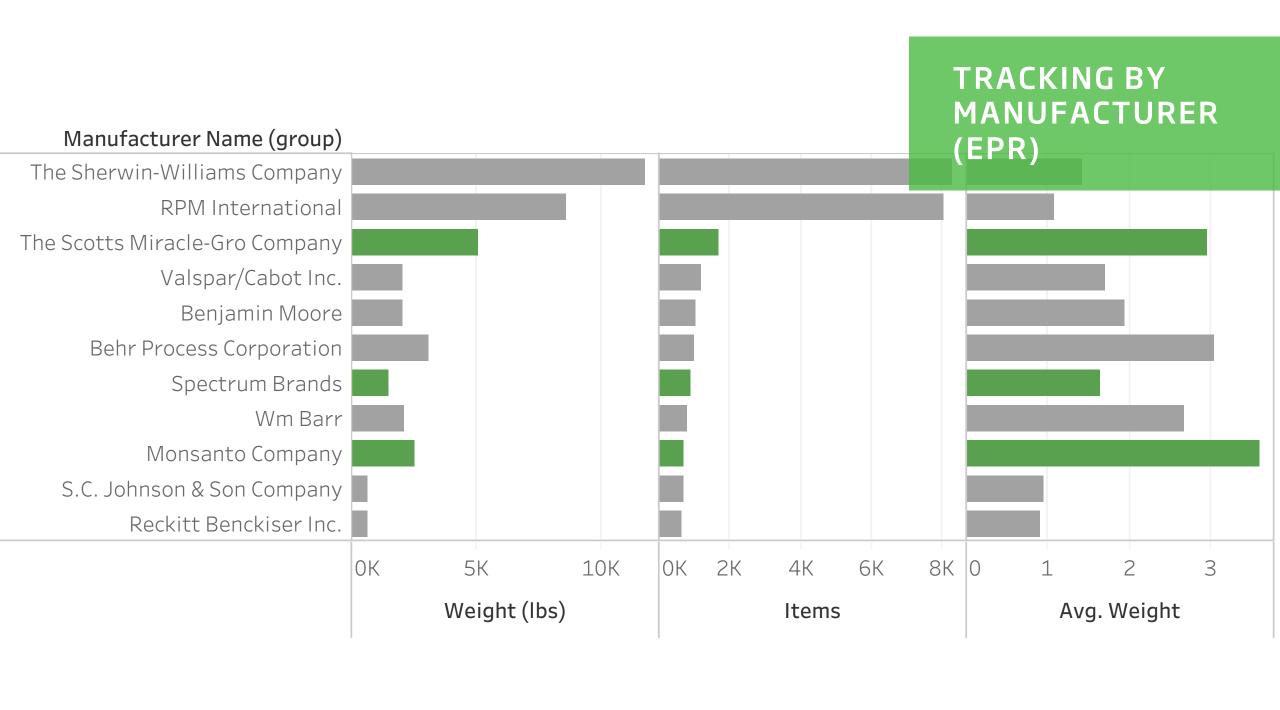


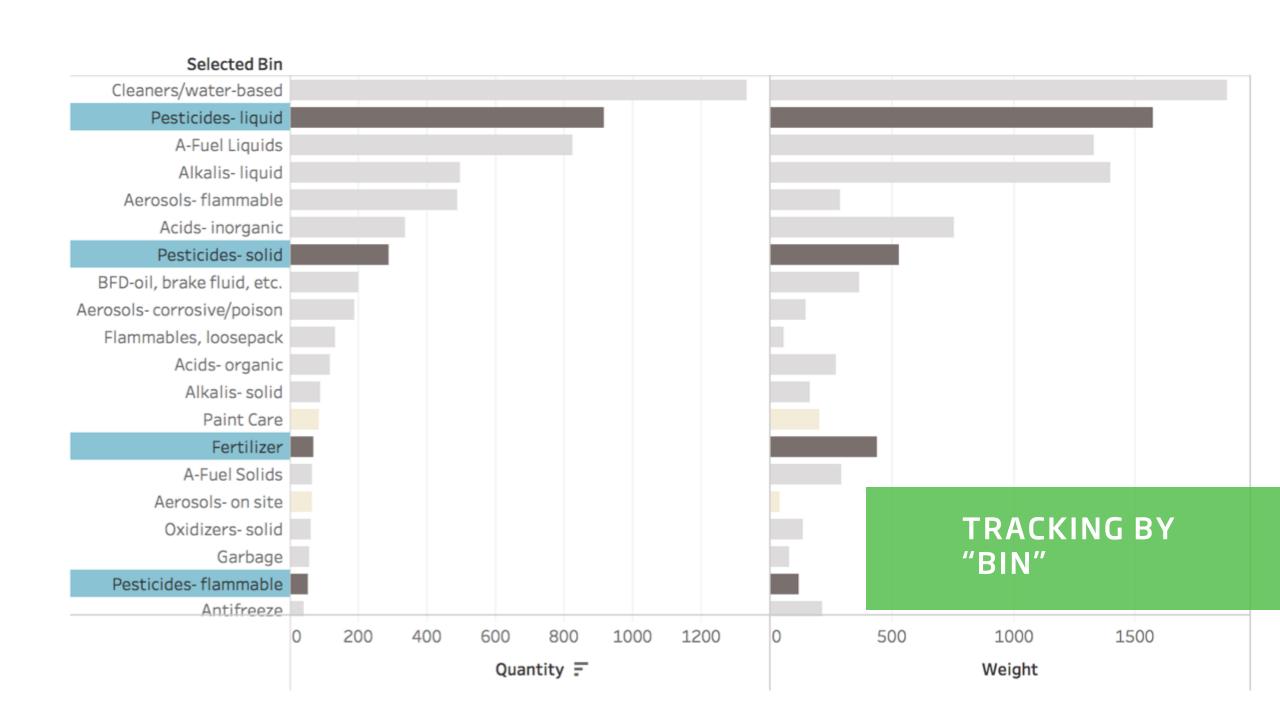
#### Packages

Disposal   Reuse	Selected Package	MOE	Package Status	Day of Creation Da	Age (Days)	Qua=	Weight (kg)	Avg Weight
Disposal	263.02 Organics 1	263L	Shipped	12/7/2017	62	7	16.37	2.34
	262.01 Laundry 1	262L	Created	12/7/2017	62	6	2.55	0.42

#### Package Detail

Selecte d Pack	Product Name	Manufacturer Name (group)	Quant	Weight (kg)	Avg Weight
262.01	Dishwashing Gel	Finish	4	0.0	0.00
Laundry	HRDWDCLNRREF128	BONAKEMI USA INC	1	2.1	2.14
175	Method Sea Minerals	Method	1	0.4	0.41
	$4x$ Bottles of $Vim_{T}$ « $H.$ .	UNILEVER CANADA	1	0.0	0.00
Organic	Notions In Network P	CJ VENNE INCORPORATE	2	0.3	0.13
s 176	TW ZIPWAX, 3.78L	TURTLE WAX INC (2)	4	16.1	4.03





#### Bifenthrin

master-normalized *	0	product_name	manufacturer_name	chemical_names	sds_text
<pre>Selected Fields  t chemical_names  t product_name  t sds_text</pre>	•	STINGER FIRE ANT KILLER 4 LB	BONIDE PRODUCTS INC	[{"cas_number":"82657-04-3", "chemicals": ["Bifenthrin [ANSI:BSI:ISO]", "Bifenthrin [ANSI:BSI:ISO]", "Bifenthrin"	Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.
t manufacturer_name  Available Fields  Popular  t cas_numbers  t categories	•	GARDENTECH OVER N OUT FIRE ANT KILLER BIFENTHRIN 23 LB	TECH PAC LLC	[{"cas_number":"82657-04-3", "chemicals": ["Bifenthrin [ANSI:BSI:ISO]", "Bifenthrin [ANSI:BSI:ISO]", "Rifenthrin"	MATERIAL SAFETY DATA SHEET Product Numbers: F8000, 8016, F8020, F8030, F8036, 8037 SAP Numbers: 100505434, 100505436, 100506105, 100505438, 100505439,
DEEP, SDS-DRIVEN DAT	ГА	STINGER FIRE ANT KILLER 8 LB	BONIDE PRODUCTS INC	[{"cas_number":"82657-04-3", "chemicals": ["Bifenthrin [ANSI:BSI:ISO]", "Bifenthrin [ANSI:BSI:ISO]", "Rifenthrin"	Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

#### Scanned Images

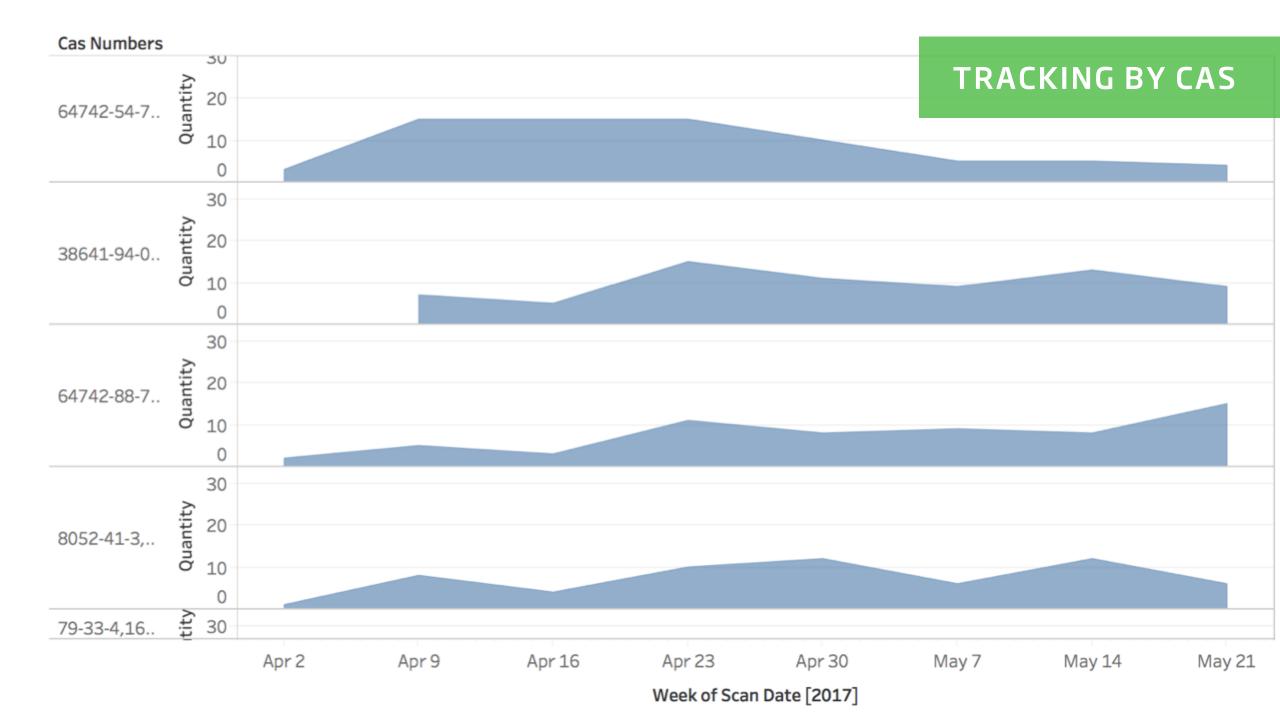




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Device	portland_device
Scanned At	2017-04-15 17:46:12 UTC
Barcode	037321009924

CAN DATA
CREATE "LABELS"
FOR USED
PRODUCTS?

<pre># cas_numbers_priority</pre>	Q Q □ <b>*</b> 49
t categories	⊕ □ ★ Home & Garden > Yard, Garden & Outdoor Living > Garden gening Supplies > Weed & Pest Control > Other Weed & Pest Control
<pre># categories_priority</pre>	Q Q □ * 10
t ph_level	<b>Q Q □ *</b> 2.9
t chemical_names	<pre></pre>



#### **Products**

Product Name	Items =	Weight
30 Seconds 1G30S Biodegradable Concentrated O	16	85.6
Tarn-X Tarnish Remover Metal Polish (TX-6)	12	6.7
Murphys 01106 / 01102 32 Ounce Liquid Oil Soap	11	14.3
Resolve 1920000601 Carpet Cleaner	10	9.7
Jelmar CL-12 CLR Remover Calcium/Lime/Rust 28	9	12.6
Central Garden 100099020 Moss B Ware Moss-B		23.7
Pennzoil 550022792 Penz QT 10W30 Motor Oil (Ca	8	7.1
Rug Doctor Anti Foam 074999011262		7.8
Zinsser 02422 DIF Liquid Concentrate Wallpaper S	8	10.1
Armor All 10160 Leather And Vinyl Protectant 16	7	6.1
Coleman Propane Cylinder, 16.4 oz	7	6.0
3M 4101 Scotchgard Fabric Protector For Fabric &		4.4
5-gal. #HDGG49 Soft Sage Flat Latex Interior Pain	6	6.1
Ortho Orthene 071549016210		4.3
Rust-Oleum 10oz Stops Rust Reformer Spray in Fl	6	4.8
Static Guard Static Cling Spray, Fresh Scent, 5.5 oz		1.8
Turtle Wax 16oz Bug & Tar Remover (T520A)	6	4.9
"LYSOL Brand Disinfectant Spray, Crisp Linen Scen		5.7
1 Gal. Moss Out for Lawns	5	41.5
10 lb. Weed Granules		34.4
Soap	5	6.2
SAFETY DATA pholstery		5.3
SHEETS nce Slug/	5	8.1
Shower/T		6.2
Coleman 5103B164T Coleman 16.4 Oz Propane Fuel	5	7.8

Conforms to USDOL OSHA 29CFR 1910.1200 HAZCOM

#### SAFETY DATA SHEET



RESOLVE TRIPLE ACTION STAIN REMOVER CARPET CLEANER

#### 1. Product and company identification

Product name RESOLVE TRIPLE ACTION STAIN REMOVER CARPET CLEANER

Distributed by : Reckitt Benckiser LLC.
Morris Corporate Center IV

399 Interpace Parkway (P.O. Box 225) Parsippany, New Jersey 07054-0225

+1 973 404 2600

+1 9/3 404 20

Emergency telephone number (Medical) : 1-800-338-6167

Emergency telephone : 1-800-424-9300 (U.S. & Canada) CHEMTREC

number (Transport) Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

Website: http://www.rbnainfo.com

Product use : Carpet Cleaners (Trigger Spray)

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

SDS # : D0171110 v.4
Formulation #: : #0247446

#### 2. Hazards identification

Classification of the substance or mixture : SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

GHS label elements Hazard pictograms

Precautionary statements



Signal word : Warning

Hazard statements : Causes serious eye irritation.

General : Read label before use. Keep out of reach of children. If medical advice is needed,

Site	Hazard Codes	Hazard Codes 2	Items =	Weight
Mesa County	H315, H302, H318, H373	Causes skin irritation, Harmful if swallowed,	18	24.50
	H270, H302, H331, H312	May cause or intensify fire; oxidizer, Harmful	7	6.90
	H336, H302, H319, H226,	May cause drowsiness or dizziness, Harmful i	7	4.26
	H336, H315, H320, H332	May cause drowsiness or dizziness, Causes s	7	9.94
	H336, H317, H302, H319,	May cause drowsiness or dizziness, May caus	7	4.90
	H304	May be fatal if swallowed and enters airways	6	17.50
	H315, H302, H319, H316,	Causes skin irritation, Harmful if swallowed, $\ldots$	6	6.28
	H315, H319	Causes skin irritation, Causes serious eye irri	6	10.54
	H317, H302, H226, H222,	May cause an allergic skin reaction, Harmful i	6	5.06
	H336, H315, H350, H340,	May cause drowsiness or dizziness, Causes s	6	5.06
	H317, H302, H320	May cause an allergic skin reaction, Harmful i	5	24.20
	H317, H302, H226, H372,	May cause an allergic skin reaction, Harmful i	4	8.46
	H317, H302, H350, H340,	May cause an allergic skin reaction, Harmful i	4	13.20
	H317, H302, H350, H340,	May cause an allergic skin reaction, Harmful i	4	31.06
	H319, H373, 19-5	Causes serious eye irritation, May cause dam	4	4.74
	H336, H302, H319, H226,	May cause drowsiness or dizziness, Harmful i	4	1.98
	H336, H315, H335, H242,	May cause drowsiness or dizziness, Causes s	4	22.46
	H336, H315, H335, H251,	May cause drowsiness or dizziness, Causes s		HAZARD
	H336, H315, H350, H340,	May cause drowsiness or dizziness, Causes s	_	TRACKING
	H336, H319, H226, H222,	May cause drowsiness or dizziness, Causes s		INACKING
	H336, H319, H226, H373,	May cause drowsiness or dizziness, Causes s		
	H336, H350, H340, H319,	May cause drowsiness or dizziness, May caus	4	2.28
	H360, H315, H319, H225,	May damage fertility or the unborn child, Cau	4	3.34

Product Name	Manufacturer Name	Items	Weight	Avg. Weight
DAIDO CORPORATION THA2050-3PK Offset Link	DAIDO CORPORATION	1	24.74	24.74
Thompson Clear Wood Protector 032053118050	ACE HARDWARE CORP	1	20.56	20.56
Clorox 24 Pound (24 1 Pound bags) Pool and Shock Plus 4 in 1 Formu	The Clorox Company	1	17.64	17.64
Masterchem 20000 Kilz 5 Gallon Stain Primer/Sealer	Masterchem Industries LLC	1	16.74	16.74
Scotts Turf Builder Weed & Feed 032247297202	The Scotts Miracle-Gro Company	1	16.12	16.12
Lilly Miller 100099164 Moss Out Moss Out Lawn Granules 20 Pound	Central Garden & Pet Company	2	30.64	15.32
Scotts Turf Builder Plus 2 Weed Control 032247249843	The Scotts Miracle-Gro Company	1	15.24	15.24
Ortho Samsung Impression Hooded Skull Phantom Design Snap On	The Scotts Company LLC	1	14.08	14.08
Lilly Miller Rhododendron Evergreen And Azalea Food 10-5-4 16lb	Central Garden & Pet Company	1	13.32	13.32
Scotts Lawns #23309 5M Lawn Fertilizer/Iron	The Scotts Miracle-Gro Company	1	12.94	12.94
Weed B Gone Max Plus Crbgrass Ready-to-Use 1.3Gl - Part #: 424010	SCOTTS CO	1	12.38	12.38
SimplesetÃ,® Pre-Mixed Ceramic Tile Thin-Set Mortar	Custom Building Products	1	12.18	12.18
Hyponex All Purpose Garden Fertilizer And Lawn Starter 07164523	Hyponex Company Inc	1	12.16	12.16
1-GWASTED/hite Eggshell Enamel Interior Paint	Behr Process Corporation	1	12.00	12.00
URRODU GT Gal Gray Latex Waterproofing Paint	United Gilsonite Laboratories	1	11.88	11.88
Ortho Ground Clear, 1 Gal	The Scotts Miracle-Gro Company	1	11.28	11.28
Behr No. 991 Concrete Etcher Rust Remover 082474991015	Behr Process Corporation	1	11.12	11.12
Mobil 1 98KY22 10W-30 Synthetic Motor Oil - 5.1 Quart Jug	ExxonMobil Corp.	2	21.50	10.75
25 lb. Life All Purpose Fertilizer	DR. EARTH	1	10.72	10.72

IIII Inspect

Show

Edit

× Delete

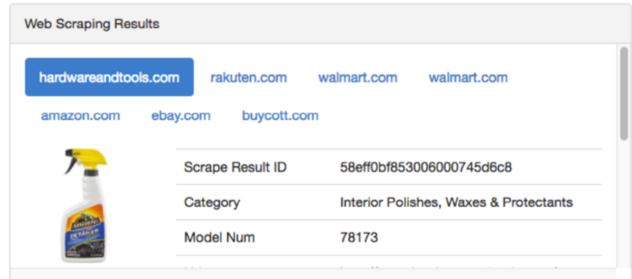
#### Scanned Images





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Qunatity	1
Device	portland_device
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Barcode	070612781734
Weight (lbs)	0.96
Validated At	2017-06-23 23:34:19 UTC





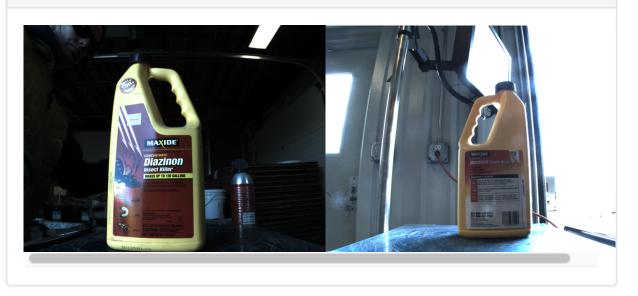
# DIAZINON TRACKER (MESA)

Diazinon	Items	20
	Weight	35.58
	Avg. Weight	1.78

	Items	Weight
Scotts Diazinon Pl 071549017620	10	16.84
ORTHO DIAZINON PLUS INSECT SPRAY INSECTICIDE	4	3.06
10400 32oz Diazinon Concentrat 071121104007	2	4.18
5% diazinon hi-yield 2lb	1	0.52
Maxide Concentrate Diazinon Insect Killer 021496374147	1	2.38
Ortho Bug B Gon 071549017125	1	7.46
Ortho Diazinon Grn 071549025823	1	1.14

### DIAZINON TRACKER (MESA)

### Scanned Images



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Operator	Hope Petrie
Qunatity	1
Device	mesa_device
Scanned At	2017-05-19 18:19:11 UTC
Barcode	021496374147
Weight (lbs)	2.38
Validated At	2017-08-10 20:37:00 UTC



Automotive Cleaner's, Wax, and Polish



# **WE WANT TO WORK WITH YOU**

- Data analysis
- Extended Producer Responsibility
- Stewardship
- Reuse

# **SMARTER SORTING TEAM**

**CORE TEAM** 



Chris Ripley
Founder/CEO



Charlie Vallely Founder/CIO



Russ Foltz-Smith Senior Tech Advisor

Software / Data Serge Madenian, Nathan Lowery, Schoeller

Porter, Shawn Marhanka, Sanhita Joshi, Joe Marty, Jason Melbourne, Atticus Ross-

Fountain, Zihao Zhang

**Operations** Zane Pace, Maya Carrillo, Blake Weems,

Margaret Spear, Katy McIntosh, Biz

Yarbrough, Bryce Denning

Business Dev Victoria Hodge, Jack Price

**Sustainability** Scott Mackey

#### **ADVISORS**



Fred Gabriel PaintCare



Carl Smith Call2Recycle



Trey Herschap Fmr: HomeAway



**Bob Campbell** Deloitte



Rick Findlay Eco Consultant



Ken Erickson Fmr: Costco

#### **PARTNERS**











